

Mapping Ocean Sanctuaries

GIS workshop for Teachers

June 22-24, 2005

Are you interested in learning how to use Global Position Systems (GPS) and Geographic Information Systems (GIS) technologies to study geography and ocean science? Would you like to involve your students in field data collection and analysis using their own data and data collected by governmental agencies such as the NOAA's National Marine Sanctuaries Program and NASA?



If so, we invite you to apply for the Mapping Ocean Sanctuaries teacher workshop.

During the workshop, you will explore the biological, physical, and geological characteristics of our coastlines and national marine sanctuaries in order to understand how they differ from each other and why each is so unique.

The workshop will include:

- hands-on instruction on how to use *ArcView* GIS software and GPS hand-held units, using,
 - *Exploring Data with GIS to Experience Sanctuaries (EDGES)* curriculum. Materials developed with funding from the National Science Foundation (NSF) and the National Oceanic and Atmospheric Association (NOAA)'s National Marine Sanctuary Program;
 - *Mapping Our World* curriculum; a set of 20 geography-based GIS lessons for educators developed by ESRI. It includes a one-year, site license for ArcView GIS software;
- a snorkeling/boat trip to collect water quality and fish sighting data in the Florida Key National Marine Sanctuary. (Equipment rental available local dive shops.)



We are seeking dedicated educators who wish to engage their students in discovery-based learning of ocean science and geography with GIS and GPS technologies.

Workshop cost: Free! Lunches provided. Transportation and lodging are the responsibility of the participant.

Location of workshop: Coral Shores High School. Key Largo, Florida.

Please mail or FAX your application by Wednesday May 11, 2005 to:

Ivy Kelley
Florida Keys National Marine Sanctuary
P.O. Box 1083 / 95230 Overseas Highway
Key Largo, FL 33037
Phone: 305-852-7717 ext. 36
FAX: 305-853-0877
<http://floridakeys.noaa.gov/>



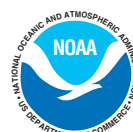
Questions? Please e-mail Ivy Kelley at Ivy.Kelley@noaa.gov or Jenny Brady at jennyb@evisual.org.

*This workshop is made possible by a 2003 Grosvenor Geography Grant
from the National Geographic Society Education Foundation.*

Mapping Ocean Sanctuaries GIS Workshop



Key Largo, FL
June 22-24, 2005



Application

*This workshop is made possible by a 2003 Grosvenor Geography Grant
from the National Geographic Society Education Foundation.*

Applications must be postmarked by May 11th, 2005.

Final selection of participants will be made by May 20th, 2005.

Personal Contact Information:

1. Name:

First

Middle initial

Last

2. Mailing address:

Number

Street

Apartment/Suite no.

City

State

Zip code

3. Telephone number:

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Home

Work

4. E-mail address:

Professional Contact Information:

5. School/Agency:

6. Work address:

Number

Street

City

State

Zip code

7. Work number:

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Telephone

Fax

8. Position title:

9. Subjects taught:

10. Grade level(s):

Years experience:

11. Type of school:

☐ Public

☐ Private

☐ Charter

☐ Home School

☐ Other

12. Local:

☐ Urban

☐ Rural

☐ Suburban

Professional Affiliations:

13. Are you a member of a Geography Alliance? _____ If yes, which state? _____
14. Are you a member of the National Marine Sanctuaries Education Network? _____
15. List the professional organizations to which you belong. _____
- _____
- _____

Computer resources available to you:

16. What type of computer(s) do you use at school? ☐ Mac ☐ PC ☐ Both
17. What type of computer(s) do you use at home? ☐ Mac ☐ PC ☐ Both
18. Where do your students have access to computers? Check as many responses as needed to describe your situation.
- ☐ Classroom ☐ School Library ☐ Computer Lab
- ☐ Home ☐ Other: _____
19. What kind of Internet connection do you have at your school?
- ☐ T1/T2 ☐ DSL ☐ Cable ☐ Modem
- ☐ Wireless ☐ None ☐ Other: _____
20. Do you have ArcView software at your school? Yes No
21. Do you currently use GIS for teaching? Yes No
22. Do you currently use GIS outside of teaching? Yes No
23. Rate your experience with computers: Poor Fair Good Expert

Essay Questions:

Please answer on a separate piece of paper and attach your responses to this application.

1. Why do you want to participate in this program?
2. How will you incorporate the experiences you gain from this workshop into your classes during the 2005-2006 school year?
3. Describe your experience using technology in the classroom.
4. Have you participated in any other workshops, presentations, or activities with the National Marine Sanctuary Program, Florida Keys National Marine Sanctuary, the Florida Geography Alliance, or the Center for Image Processing in Education? If so, please describe the activity and give the dates.

Statement of Intent

I understand that if I am selected and agree to participate in the Mapping Ocean Sanctuaries workshop, I will be expected to attend the June 22 - 24, 2005 workshop. I also agree to incorporate GIS/GPS into my teaching during the 2005-2006 school year. If accepted to participate, I will notify FKNMS of my desire to participate by June 1st, 2004.

Signature

Date